UHER

GSA 195

MODEL

SERVICE MANUAL

AF UNIT ASS'Y 2-170-390-02

NO.	DATE	REVISION RECORD	CK
1			
2			
3			
4			
5			

NO.	DATE	REVISION RECORD	CK
A			
B			
C			
D			
E			
F			

CONTROL ASS'Y
NHF-251-A

POWER TRANSFORMER
2-134-320-01

SWITCHES

S1-1 CD : ON-OFF
S1-2 AUX : ON-OFF
S1-3 TUNER : ON-OFF
S1-4 PHONO-1 : ON-OFF
S1-5 PHONO-2 : ON-OFF

S2-1 TAPE MONITOR OFF : ON-OFF
S2-2 TAPE 2 : ON-OFF
S2-3 TAPE 1 : ON-OFF

S3-1 TAPE COPY : ON-OFF
S3-2 2 → 1 : ON-OFF
S3-3 1 → 2 : ON-OFF

S101 VOLTAGE SELECT : 100V-220V
S201 POWER SWITCH : ON-OFF
S4-1 LOUDNESS : ON-OFF
S4-2 SUBSONIC : ON-OFF
S4-3 MUTE : ON-OFF

RL 1 : ON-OFF
RL 2 : ON-OFF

THE UNDERLINED INDICATES THE SWITCH POSITION

Q301,302 : 2SB546 OR
Q303,304,305,306,307,308,309,310 : KTC 3228 OR
Q307,308,309,310 : KTA 970 OR
Q311,312 : KTC 2240 OR
Q317,318 : KTA 970 OR
D301,302 : 2SA973 OR 2SB565
R1, R2, R3, R4 : 1K

Q301,302,303,304,305 : KTC 3228 OR
Q306,307 : 2SB473 OR 2SB565
Q307 : 2SB 565
Q309 : 2SC 4008 OR 2SC2
Q310 : 2SB 547

Q401 : KTC 3228 OR
Q402,403 : KTC 3228 OR
Q404 : KTA 970 OR
Q405 : KTA 970 OR
Q406 : KTA 970 OR
Q407 : KTA 970 OR

Q401,402,403,404,405,407 : 2SA 1015 OR 1061
D401 : 1S 1555
D402 : 1S 1973

1. RESISTORS
RESISTANCE IN Ω, 1/4W, ±5% TOLERANCE UNLESS OTHERWISE NOTED. K : KΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (J) : ±5%, (K) : ±10% TOLERANCE.
2. CAPACITORS
CAPACITANCE IN CAPACITY (μF) / VOLTAGE (V) UNLESS OTHERWISE NOTED. P : PF
CAPACITOR WITHOUT VOLTAGE IS 50 V CERAMIC OR ELECTROLYTIC CAPACITOR.

3. VOLTAGE CURRENT
( ) : DC VOLTAGE (V) AT NO INPUT SIGNAL
VOLUME IN [ ] IS DC VOLTAGE AT RATED POWER.
4. OTHERS
SIG : SIGNAL ROUTE
⊘ : ADJUSTING POINT
THE ⚠ MARK FOUND ON SOME COMPONENT PARTS INDICATES THE IMPORTANCE OF THE SAFETY FACTOR OF THE PART. THEREFORE, WHEN REPLACING BE SURE TO USE PARTS OF IDENTICAL DESIGNATION.

LA1200

Uher

PCB NNP-294-B
MAIN B'd
NWM-105-A

IC 101L
STK 4048 X1

PL : PR - PTH467 A01 80222TS
POSISTOR (MURATA)

POWER LEVEL METER
LEFT RIGHT

LEFT SPEAKER A
G
RIGHT
LEFT SPEAKER B
G
RIGHT

IC 101R
STK 4048 X1

TRANSFORMER
2-134-321-01

AC POWER CORD
2-211-603-01
AC 250V/50Hz

THERMAL FUSE

657190 TUNER

COMPLEX ASS'Y 2-170-551-01

CONTROL ASS'Y
NWG - 017

FM FRONT-END

Q5 LA1247/AM TUNER

Q8 M54533L

Q19 UPB 553 AC

Q504 LB1413

Q505 UPA 80C

Q506 UPD 1705-016

Q507 UPD 4011 BC

Q508 UPD 6322

FLT (NEL-028-01)

106.8 MEMORY MHZ KHZ

SWITCH 5V LIBERATION 9V AM B STEREO 9V MUTE MASTER

POWER SW

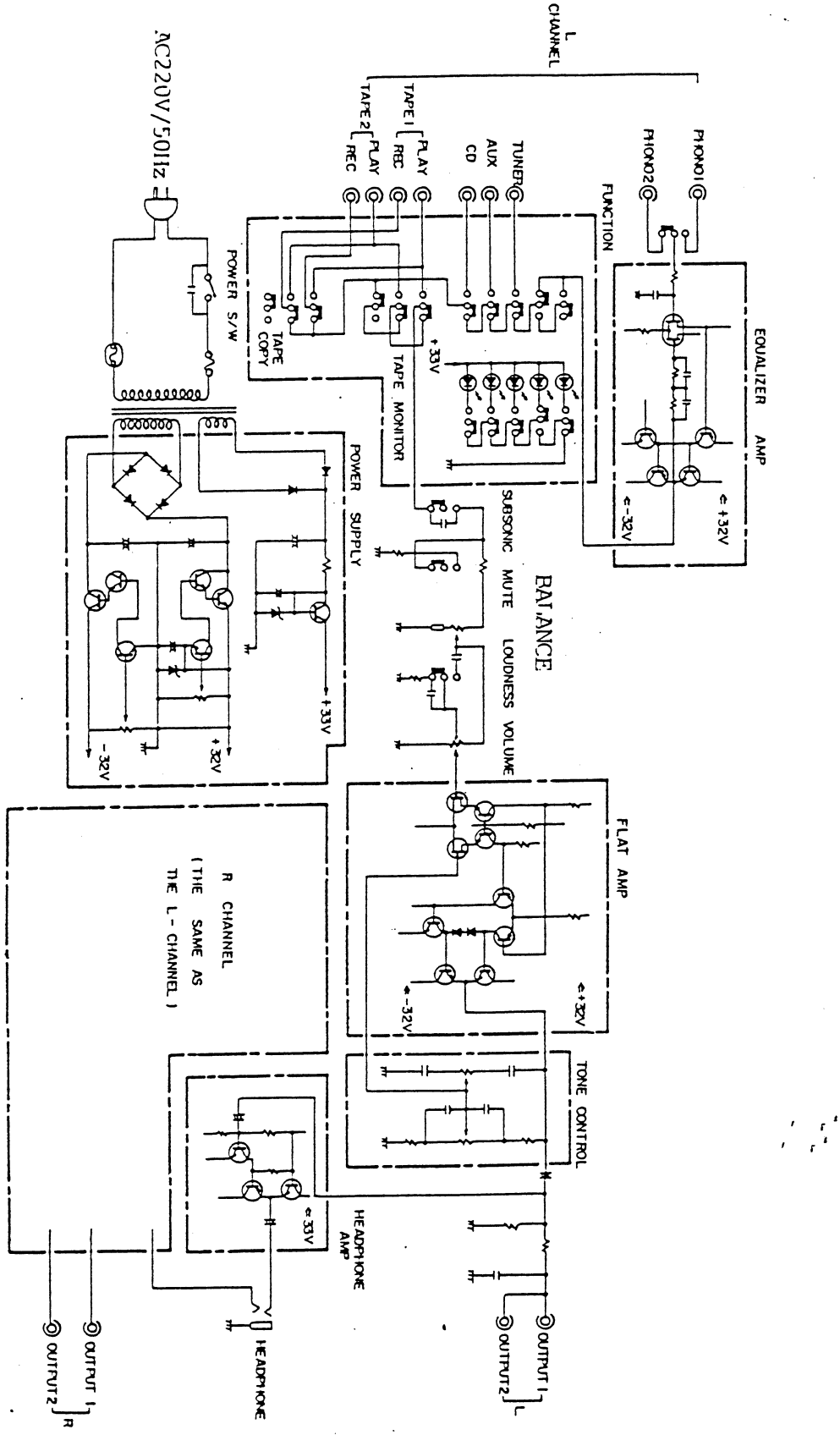
TRANSFORMER
2-131-347-01

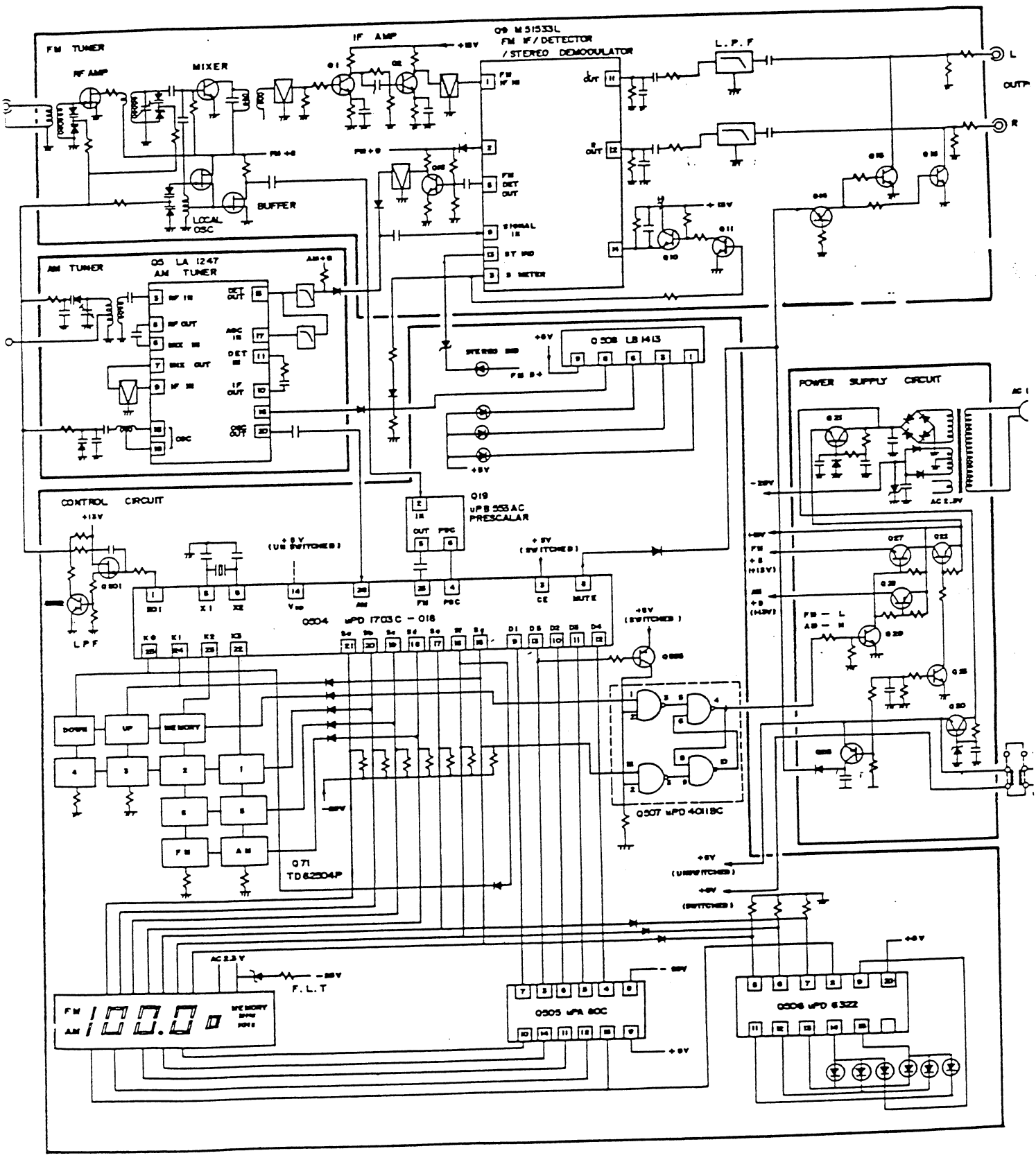
AC POWER CORD
AC 220V / 50Hz

	SYMBOL NO.	VACANT
Q	1 ~ 39	3, 4, 6 ~ 9, 34, 38
D	1 ~ 18, 32, 33	7 ~ 12
C	1 ~ 5, 20, 23 ~ 46, 101 ~ 105, 120 ~ 132, 201 ~ 208	4, 126, 204
R	1 ~ 12, 21 ~ 32, 101 ~ 104, 201 ~ 205, 209	105, 207, 216 ~ 220

NOTE :
1. CAPACITOR VALUES ARE IN μF UNLESS OTHERWISE NOTED.
0.047 = 0.047 μF
4.7 = 4.7 μF
2. RESISTORS VALUES ARE IN OHM.
K = 1000
4.7K = 4.7 KOHM
0.47 = 0.47 MOHM

BLOCK DIAGRAM




FM TUNER
RF AMP
MIXER
IF AMP
09 M51533L
FM IF / DETECTOR
/ STEREO DEMODULATOR
L. P. F
L
R
OUTP
BUFFER
LOCAL
OSC
AM TUNER
05 LA 1247
AM TUNER
0508 LB1413
POWER SUPPLY CIRCUIT
CONTROL CIRCUIT
019
uPB 555AC
PRESCALAR
0504 uPD 1703C - 018
LPF
0507 uPD 4011BC
071
TD62504P
0505 uPA 80C
0506 uPD 6322
F.L.T
DOWN
UP
MEMORY
FM
AM
100.0

BLOCK DIAGRAM